

# **CIRCUIT FOR MULTIPLE MATCH HIT CAM READOUT**

## **Abstract of the Disclosure**

An apparatus for reading out multiple match hits from a content addressable memory (CAM), comprising a priority encoder for receiving a plurality of matchlines from a CAM and for encoding addresses of the CAM that are associated with the matchlines that indicate a match, and a matchline mask system for selectively masking off a matchline that indicates a match from the priority encoder after the address associated with that matchline is encoded by the priority encoder.